

ABSTRACT

A pressure tank having a reinforced stainless steel connector that can bear heavy weight and the stainless steel connector makes the pressure tank well water-tightened.

The pressure tank mainly contains: an upper chamber, an inner chamber, a sealing washer, a stainless steel connector, a leakproof ring, an elastic diaphragm, a stainless steel ring washer and a lower chamber. The upper chamber has a hole on top thereof.

5 The upper chamber encloses the inner chamber. The inner chamber has an inward protrusion on top thereof. The inward protrusion has a through hole aligned with the hole of the upper chamber and a recession around the through thereof. The sealing washer is installed between the upper chamber and the inner chamber. The sealing washer has a through hole aligned with the through hole of the inner chamber. The stainless steel connector is engaged through the hole of the upper chamber, the through hole of the sealing washer, and the through hole of the inner chamber in order.

10 The leakproof ring is placed around a joint of the inward protrusion and the stainless steel connector and received in the recession of the protrusion. The elastic diaphragm is mounted on an inner side of the inner chamber and defines the upper chamber and a lower chamber. The lower chamber has an inlet for inputting air thereto. Wherein a bottom of the stainless steel connector is riveted to press against the stainless steel ring washer to hold the leakproof ring firmly and secure the inner chamber to the

15 upper chamber.

20